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**Anderson, Jr. et al.**

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- (54) **TIRE CHAINS APPARATUS**
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- (\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 166 days.

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- (51) **Int. Cl.**  
**B60B 39/00** (2006.01)
- (52) **U.S. Cl.**  
CPC ..... **B60B 39/003** (2013.01); **B60B 2900/551** (2013.01); **B60B 2900/721** (2013.01)
- (58) **Field of Classification Search**  
CPC ..... B60B 39/003; B60B 39/006; B60B 2900/551; B60B 2900/721  
See application file for complete search history.

#### (57) **ABSTRACT**

Provided is an apparatus designed to engage tire chains on motorized vehicles when hazardous road conditions are present, including snow or ice. Moreover, the chains are designed to be deployed manually from inoperative to operative positioning by raising and lowering the apparatus handle. A rotating quick deploy chain wheel at the bottom of the apparatus throws a plurality of chains between the tire and road surface generating vehicle traction. This utility patent for tire chains will provide a cost effective, simple method for putting on and taking off snow tire chains. Existing automatic chain systems characteristically require electronics, motors or a pneumatic system. The embodiment of this apparatus is the simplicity of locking a handle and the chains are engaged. Releasing the handle and the chains are disengaged.

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**7 Claims, 9 Drawing Sheets**

